

Bioactive

IL31 (Human) Recombinant Protein

Catalog # P7158

Size 10 ug

Specification

Product Description	Human IL31 (Q6EBC2, 24 a.a. - 164 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	SHTLPVRLLRPSDDVQKVEELQSLSKMLLKDVVEEEKGVLVSQNYTLPCLSPDAQPPNNIHSPAIR AYLKTI RQLDNKSVIDEII EHLDKLIFQDAPETNISVPTDTHECKRFILTISQQFSECMDLALKSLTSGA QQATT
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	15.8
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 97% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The ED ₅₀ was determined by inducing STAT3 activation using human U-87 MG cells. 5.0 ng/ml of rH uIL-31 can effectively induce STAT3 activation.
Storage Buffer	Lyophilized from sterile distilled Water up to 0.1 - 1.0 mg/ml
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — IL31

Entrez GeneID [386653](#)**Protein Accession#** [Q6EBC2](#)**Gene Name** IL31**Gene Alias** IL-31**Gene Description** interleukin 31**Omim ID** [609509](#)**Gene Ontology** [Hyperlink](#)

Gene Summary IL31, which is made principally by activated Th2-type T cells, interacts with a heterodimeric receptor consisting of IL31RA (MIM 609510) and OSMR (MIM 601743) that is constitutively expressed on epithelial cells and keratinocytes. IL31 may be involved in the promotion of allergic skin disorders and in regulating other allergic diseases, such as asthma (Dillon et al., 2004 [PubMed 15184896]).[supplied by OMIM]

Other Designations -

Disease

- [Eczema](#)